SBR No 0-3 /11-15
@ 28-2-15

M. A. R. 57 (Rule 116)
Measurement Book

BRNO. 483/28-2-15
No. B
249517

Serial No. 1st and final Bill
Name of Work ..... From ..... To .....
Name of Contractor or nature of Agency E. Shivaraj Contractor
Date of commencement of work D.O. Recording : 28/07/2015

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work. Imp and Asphalting to thirdly old bitlays in Wards no-05 in Vidyaranyapura Sub-Division (change of locations Imp and Asphalting to NTE layout 7th, 8th CRos and other Roads near park in W-09)]						
	Estimated cost : Rs. 20.00 lakhs						
	Work code/JOB no : 009-14-000048						
	Work order no : EE/BYP/BBMP/E-pmt/226/2014-15 Dt. 14.01.2015						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement : 16-01-2015						
	Date of completion : 28-02-2015						
	(1) Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2m and an average lift upto 0.500m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer-In-charge of the Work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	2) Removing of B.C. slabs complete as per specifi	
	3) Refixing stone slabs of etc complete as per Engineer-In-charge of	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
015				
0.15				
l means in hand dug				
things upto 2m and m				
te of surface levelled				
disposed Earth to be				
c.t.s etc complete				
ion of Engineer-In-				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249518
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Qty vide It no ①				
	this MB no ~~24~~ P. 249578 = 312.25 m³						29729.00
2)	Removing of B.d. debris dress of Stacking etc complete as per specifications and direction of Engineer						
	Qty vide It no ② 2 of this						18462.00
	MB. P 229579					= 351.00 m² @ 52.6/.2	
3)	Refixing stone slabs of dress and pointing in CM(1:3) etc complete as per specifications and direction of Engineer-In-charge of work						25799.00
	Qty as per It ② = 351 m² @ 73.51/.2						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	Scarifying stone metal crust 50mm to 100mm thick with picks axes along with premix carpet / surface dressing and stacking of serviceable materials within a lead of 100m by manual means including costing all labour charges all complete as per specification & directions of Engineer-in-charge of the work.						
						Qty vide this MB p 249 580	
						2 no. (3) 2625.0 m²@ 7640/m²	20055 0.00
5)	Providing and laying spreading and compacting graded stone						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	aggregate to wet mix m	
	providing the material w	
	mix plant carriage by m	
	laying in uniform layers	
	course on well prepared	
	vibratory roller to achi	
	complete as per specif	
	Incharge of the work.	

OK

Depth 6	Contents 7	Reference to last Measurement 8
layers thick pet / surface terials with costing all f cation and this MB p 249580 25.0 m2 @ 764.0/m2 =		200550.00
graded stone		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249519
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	aggregate to wet mix macadam specification including providing the material with water at one's mechanical mix plant carriage of mixed materials by tipper lorries laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory rollers to achieve the desired density all complete as per specifications and directions of Engineer incharge of the work.						612972.00

Qty vide MB 2497 p. 249682
It no (1) 521.00 m3 @ 1176.53/m3

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Cleaning of the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with broom & or soft brushes and finally dusting with old gunny bags and or compressed air to receive bituminous treatment including cost of all materials labour, Hire of machineries, carriage etc complete as per specifications and directions of Engineer-In-charge of work.						
	Ch as per Dr no. (5)						
	=	2655.0	M2 @	11.05/M2			29338.00

M.

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
7)	Providing and applying prem on prepared surface of road surface and spraying using mechanical means and directions of Engine	
8)	Providing and laying	dem

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
ood surface including				
ts and other foreign matter				
ricks, sweeping with				
finally dusting with old				
et as to receive bituminous				
material labour, complete				
plete as per specifications				
in-charge of work.				
per 11 no. (5)				
= 2655.0 m2 @ 11.05/m2			29338.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249520

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
7)	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer @ the rate of 0.60 kg/m2 using mechanical means in the complete as per specifications and directions of Engineer-in-charge of work.						
	Qty as per 11 no. (6)						
			2655.00 m2		149.10/m2		395861.00
8)	Providing and laying dense bituminous concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	25mm thick WMM 100-120 TPH batch type HMP producing an average output of 75T/hr using crushed aggregate of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem Roller to achieve desired compaction as per MORTH specifications clause no. 500.8 complete in all respects as per specifications with 80/100 grade bitumen, etc						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Complete as per specifi	Cabe
	a) WTI layout - 7mtr (0.40 to 165 mtr)	1

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
y batch type HMP produci				
/hr using crushed aggregate				
with bituminous binder at				
transporting the hot mix				
mistake paver finisher with				
grade, level and alignment,				
, vibratory and tandem				
mpaction as per MORTH				
& complete in all respects				
lg gravel bituminous, etc				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249521
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Complete as per specifications.				Avg		
	a) WTI layout. 7mtr (0.00 to 165 mtr)	1	30.00	$\frac{5.7+5.5}{2}$	0.025	= 4.20	
		1	30.00	$\frac{5.5+5.7}{2}$	0.025	4.16	
		1	30.00	$\frac{5.7+5.6}{2}$	0.025	4.24	
		1	30.00	$\frac{5.6+4.8}{2}$	0.025	3.90	
		1	30.00	$\frac{4.8+4.6}{2}$	0.025	3.53	
		1	15.00	$\frac{4.6+5.1}{2}$	0.025	1.82	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	b) 9m mes - Road (0.00 to 160.00)	1	30.00	$\frac{6.8+4.7}{2}$	0.025	4.31	
		1	30.00	$\frac{4.7+4.5}{2}$	0.025	3.45	
		1	30.00	$\frac{4.5+4.6}{2}$	0.025	3.34	
		1	30.00	$\frac{4.6+4.7}{2}$	0.025	3.41	
		1	30.00	$\frac{4.7+4.7}{2}$	0.025	3.53	
		1	10.00	$\frac{4.7+5.1}{2}$	0.025	1.35	
	c) Cross-Road (0.00 to 40.00m)	1	30.00	$\frac{6.2+5.0}{2}$	0.025	4.20	
		1	10.00	$\frac{5.0+5.0}{2}$	0.025	1.25	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	8m Cross. Road NSE Layout (0.00 to 161.90m)	1

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
.00	6.8+4.7/2	0.025	4.31	
.00	4.7+4.9/2	0.025	3.48	
.00	4.5+4.4/2	0.025	3.34	
.00	4.4+4.7/2	0.025	3.41	
.00	4.7+4.7/2	0.025	3.53	
.00	4.7+5.1/2	0.025	1.35	
.00	6.2+5.8/2	0.025	4.20	
.00	5.0+5.0/2	0.025	1.25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249522

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8m cross Road NTF by JE (C.wo to 161.900)	1	30.00	6.0+4.6/2	0.025	3.98	
		1	30.00	4.6+4.8/2	0.025	3.53	
		1	30.00	4.8+4.6/2	0.025	3.53	
		1	30.00	4.6+4.7/2	0.025	3.49	
		1	30.00	4.7+4.7/2	0.025	3.53	
		1	11.90	4.7+6.8/2	0.025	1.71	
						66.437	

C&FC
28/12/15
E.E. (W&S)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total 94 =		66.434	
				Add 6		66.384	69,536.00
						e 10475.43/-	
	9) Road marking with hot applied thermoplastic Compound with reflect rising glass beads on bituminous surface, providing and laying of hot applied thermo plastic Compound 2.5 mm thick including reflectorising glass beads at 250 gm/m² thickness of 2.5 mm, i/c Excluding of surface to level, uniform and free from streaks and holes etc complete as per specification and directions of Engineer-in-charge.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
-		

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
	Total 94.2		66.434	
	Add to		66.384	69,536.80
			e 10475.43	
...ed thermoplastic Compound				
... on bituminous surface,				
...lied thermo plastic Compound				
...sing glass beads at 250 gm/sq.m				
...clusive of surface to level,				
...s and holes etc complete				
...ns of Engineer-in-charge				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249523
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
-			Not operated			-	-
						Total Amount	20,28,132.70
							2008070=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Rs.		20,28,050.70

Certificate

1) Certified that the contractor has work done satisfactorily.
2) The contractor has removed the debris during work site
3) There is no any dept materials issued to contractor.

28/12/15

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A
Me

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3